

# UX-N1S

-Consists of CA-UXN1S and SP-UXN1S

# UX-N1W

-Consists of CA-UXN1W and SP-UXN1W

ISG MP3

Radio Data System



## Warnings, Cautions and Others

Disconnect the mains plug to shut the power off completely When installing the apparatus, ensure that the plug is easily

The U/I button in any position does not disconnect the mains line. The power can be remote controlled.

• When the unit is on standby, the STANDBY lamp lights red. • When the unit is turned on, the STANDBY lamp goes off.

To reduce the risk of electrical shocks, fire, etc.: . Do not remove screws, covers or cabinet.

#### 2. Do not expose this appliance to rain or moisture.

## **CAUTION:**

- Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspape or cloth etc. the heat may not be able to get out.) Do not place any naked flame sources, such as lighted
- candles, on the apparatus. When discarding batteries, environmental problems
- must be considered and local rules or laws governing th disposal of these batteries must be followed strictly Do not expose this apparatus to rain, moisture, dripping

or splashing and that no objects filled with liquids, such

as vases, shall be placed on the apparatus.

#### IMPORTANT for the U.K.

**DO NOT** cut off the mains plug from this equipment. I the plug fitted is not suitable for the power points in your nome or the cable is too short to reach a power point then obtain an appropriate safety approved extension lead or consult your dealer

BE SURE to replace the fuse only with an identical approved type, as originally fitted.

f nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied fitted with a mains plug ther follow the instructions given below:

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol o coloured green or green-and-yellow

The wires in the mains lead on this product are coloured in accordance with the following code:

Blue: Neutral

Brown: Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as

The wire which is coloured blue must be connected t the terminal which is marked with the letter N or coloure The wire which is coloured brown must be connected to

the terminal which is marked with the letter L or coloured

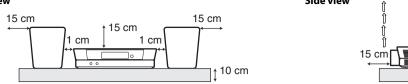
#### IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

#### **IMPORTANT FOR LASER PRODUCTS** CLASS 1 LASER PRODUCT

- 2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the System; leave all servicing to qualified service personnel
- 3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.

#### **CAUTION: Proper Ventilation**

- avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
- Front: No obstructions and open spacing.
- . Sides/Top/ Back: No obstructions should be placed in the areas shown by the dimensions below.
- Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more



SP-UXN1S/SP-UXN1W CA-UXN1S/CA-UXN1W SP-UXN1S/SP-UXN1W

#### About the cooling fan

A cooling fan is mounted on the rear panel of the unit to prevent abnormal temperature inside the unit, thus assuring normal operation of the unit.

#### Information for Users on Disposal of Old Equipment [European Union only]

This symbol indicates that the product with this symbol should not be disposed as general household waste. If you want to dispose of this equipment, please do not use the ordinary dust bin! There is a separate collection System for these products.

The model information is located on the bottom.

#### Precautions

#### Notes on the power cord

- When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet. A small amount of power (3.6 W) is always consumed while the power cord is connected to the wall outlet.
- When unplugging the System from the wall outlet, always pull the plug, not the power cord.
- Do not handle the power cord with wet hands.
- Disconnect the power cord before cleaning the System or moving the System.
- Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents. • If the cord is damaged, consult a dealer and have the power cord replaced with a new one.

#### Avoid moisture, water, dust, and high temperatures • Do not place the System in moist or dusty places.

- If water gets inside the System, turn off the power and remove the plug from the wall outlet, then consult your dealer. Using
- the System in this state may cause a fire or electrical shock.
- Do not expose the System to direct sunlight or place it near a heating device.

#### Notes on installation

- Select a place which is level, dry and neither too hot nor too cold between 5°C and 35°C.
- Do not install the System in a place subject to vibrations. Do not put heavy objects on the System

### To prevent malfunction or damage of the System

- Do not insert any metallic objects, such as wires, hairpins, coins, etc. into the System Do not block the vents.
- To clean the cabinet
- Use a soft cloth. Follow the relevant instructions on the use of chemically-coated cloths
- Do not use benzene, thinner or other organic solvents and disinfectants. These may cause deformation or discoloring.

There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.

# **Getting Started**

## Supplied Accessories

After unpacking, check to be sure that you have all the following items. The number in parentheses indicates the quantity of each piece supplied.

- Remote control (x 1)
- Lithium coin battery CR2025 (x 1) (The battery has been installed when shipped from the factory.)
- AM loop antenna (x 1)
- FM antenna (x 1)

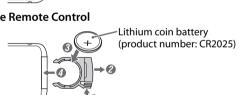
If anything is missing, consult your dealer immediately.

## Prepare the Remote Control



# Replacing the Battery in the Remote Control

remote control by matching the = polarity (+ and –) correctly.



battery, consult a doctor immediately.

these things may cause the battery to give off heat, crack, or start a fire.

give off heat, crack, or start a fire.

battery may start to give off heat, crack, or start a fire.

Danger of explosion if battery is incorrectly replaced.

## Connections

## Do not connect the AC power cord until all other connections have been made.

Plug the AC power cord only after

all connections are complete.

 Make sure the antenna conductors do not touch any other terminals, connecting cords and power cord. Also, keep the antennas away from metallic parts of the System, connecting cords, and the AC power cord.

This could cause poor reception. • If the cords are covered with vinyl, remove the vinyl to expose the tip of the cord by twisting the vinyl.

## Turn it until the best FM antenna (supplied) reception is obtained Extend it so that you can obtain the best reception To connect the AM loop antenna Outdoor FM antenna For better FM/AM reception Disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 $\Omega$ wire with coaxial type connector (IEC or DIN45325). /ynile-covered wire (not supplied AM loop anteni Extend it horizontally To connect the speaker cords

**AM loop antenna** 

• Store the battery in a place where children cannot reach. If a child accidentally swallows the

• Do not recharge, short, disassemble or heat the battery or dispose of it in a fire. Doing any of • Do not leave the battery with other metallic materials. Doing this may cause the battery to

· When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the

• Do not poke the battery with tweezers or similar tools. Doing this may cause the battery to give off heat, crack, or start a fire. • Dispose of battery in the proper manner, according to federal, state, and local regulations.

To assemble the AM loop antenna

CAUTION: Replace only with the same or equivalent type

# **Playing Back Discs**

**Basic and Common Operations** 

FM/AM

page 5.

Display Information

Disc play mode indicators (See page 4.)

OP Link indicator

(See page 6.)

Tuner mode indicators

(See page 5.)

PRGM RND TA NEWS INFO FM AM ST MONO

AHBPRO IIII IIII IIII IIII IIII IIII IIII

A.STBY | I/I/I | I/I/I

Main Display

Press

See "Playing Back Discs" on page 4.

The standby lamp on the System turns off/on

See "Listening to FM and AM Broadcasts" o

See "Connecting a Portable Audio Device" or

ou can adjust the volume level from level 0

STANDBY lamp

Timer mode indicators

SLEEP (

(See the right column and page 3

(VOL MIN) to level 31 (VOL MAX)

**Using Headphones** 

the headphones.

Be sure to turn down the volume before connecting or wearing

Connecting the headphones will deactivate the speakers.

Operating on the System

Turn on or off (standby) the

elect a source

djust the volume

"touch sensor panel."

DO NOT turn off (standby)

the System with the volume

set to an extremely high leve

Otherwise, the sudden blast

headphones when you turn

of sound can damage your

hearing, speakers and/or

on the System or start

playback.

\* You can operate the source select

buttons on the System only touch

lightly, because these buttons are

buttons, they lights in blue briefly.

If you touch any one of these

15 cm

CA-UXN1S/CA-UXN1W

This System can play back the following discs—regular CD and CD-R/CD-RW (recorded either in the audio CD or MP3 format). • When playing back the MP3 track, MP3 indicator appears on the display.

AHB PRO and A.STBY indicator (See the right column.)

#### To Set a Disc On the System On the System Place a disc correctly with its label side up, then The disc cover on the The disc cover on the press down on the portions around the disc's System opens. System closes. center hole until you hear a click. · Do not close forcibly • When removing the disc, take out the disc the disc cover with by holding it at the edge with pressing the the hand. System's pivot lightly.

## Basic Disc Operations

			Press
То	On the System	On the remote	
Playback the disc	CD ►:II	►/II CD	Current track number and elapsed playing time appear on the main display.  During playback, press again to stop playing for a moment.
Stop playback		PTY SEARCH	<ul> <li>While playback is stopped, total track number and total playing time (for MP3 disc, group number and track number) appear on the main display.</li> </ul>
Select a track	▶►I UP		Increases the track numbers.
	DOWN I		Decreases the track numbers.
Select a group (MP3 only)	_	PTY/PRESET/GROUP UP	Increases the group numbers while playback is stopped.
	_	DOWN	Decreases the group numbers while playback is stopped.
Forward search /		PTY/PRESET/GROUP UP	Fast-forwards the track by pressing briefly.  To stop searching, press ►/II.
Reverse search	_	DOWN	Fast-reverses the track by pressing briefly.  To stop searching, press ►/II.

DO NOT connect more than one speaker

• DO NOT allow the conductor of the

metallic parts of the System.

speaker cords to be in touch with the

to each terminal

• If the disc cannot be read correctly (because it is scratched, for example) or an unreadable CD-R or CD-RW is loaded, playback will not start. • If no disc is inserted, "NO DISC" appears on the main display.

# Programming the Playing Order—Program Play (except for MP3)

Operating on the Remote Control

(Q\I)

(CD)

LINE

page 6.

the volume level

-3 to +3.

The standby lamp on the System turns off/on

See "Listening to FM and AM Broadcasts" on

See "Connecting a Portable Audio Device" or

ou can adjust the volume level from level 0

See "Playing Back Discs" on page 4.

(VOL MIN) to level 31 (VOL MAX).

FADE MUTING To restore the volume, press again, or adjust

To cancel this function, press again

wice to adjust the treble level.

press VOLUME – to decrease it.

Press when the System is turned on.

To cancel this function, press again.

the System is on standby.

off while on standby.

on the display.

(in minutes) as follows:

setting the sleep timer, press SLEEP once.

Press briefly (except for FM mode).

For setting the clock, see page 7

more than 2 seconds again.

AHB PRO indicator appears on the display.

Press once to adjust the bass level or press

Then press VOLUME + to increase the level or

You can adjust the bass and treble level from

Press and hold for more than 2 seconds when

To cancel this function, press and hold for

· Setting the SAVE mode allows you to reduce

power consumption by turning the display

Press and hold until A.STBY indicator appears

To cancel this function, press and hold again

If no operation is done for about 3 minutes

after CD playback stops, the System turns of

Press briefly and repeatedly to specify the tim

 $\rightarrow$  10  $\rightarrow$  20  $\rightarrow$  30  $\rightarrow$  60  $\rightarrow$  90  $\rightarrow$  120  $\rightarrow$  150

To check the time remaining until the shut-off time afte

Canceled

Turn on or off

Select a source

Adjust the volume

Drop the volume in a

Reinforce the bass

Adjust the tone (Bass,

Changing the display

Set the SAVE mode

Changing the display

nformation (Clock

Turn off the System

playback is over

**AUTO STANDBY** 

inction)

automatically after CD

Turn off the System by

using the sleep timer

brightness

moment

sound

Point it at the remote sensor on

the front panel. (The operating

ange is approx. 7 m.)

CD (FMIAM) (LINE)

Playing Repeatedly—Repeat Play

REP GRP

(CD)

the repeat mode as follows

Press repeatedly before you start playback to specify

→ **1** REP 1 → **5** REP GRP **-**

group. (MP3 only)

REP ALL Repeats all tracks.

REP OFF Normal playback

REP OFF ← FEP ALL ←

(MP3 only)

Repeats the current (or specified)

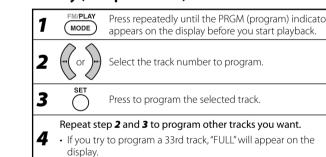
Repeats all tracks in the current

UP

DOWN

PADE MUTINO BASSITHEBLE AND PRO

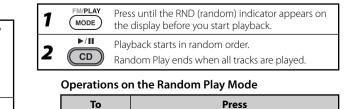
(standby) the power



#### The tracks are played in the order you have (CD) programmed.

То		Press
Check the programmed contents	OT DOWN	Press while playback is stopped.
To erase the last step	CANCEL	
To erase the entire program	PTY SEARCH	Press while playback is stopped.
To exit from program play	FM/PLAY MODE	Press twice while playback is stopped to exit from the program play.  • The stored program is erased.

# Playing at Random—Random Play



To skip a track		• I◀◀ does not work.
To exit from random play	FM/PLAY MODE	Press once while playback is stopped to exit from the random play.

Make sure the both speakers are connected correctly and

When connecting the speaker cords, match the polarity of

black stripe to (–).

the speaker terminals: white cord to (+) and white cord with

## **Listening to FM and AM Broadcasts**

	Press				
То	On the System	On the remote			
			Each time you press the button, the band alternates between FM and AM.		
Select FM or AM	FM/AM	FM/AM)	<ul> <li>"FM" or "AM" and selected frequency appear on the main display.</li> <li>If an FM program is broadcast in stereo, the ST (stereo) indicator lights up on the display (only when the reception is good).</li> </ul>		
	DOWN H44 PPI UP	(*C Or )**	Press and hold for more than 2 seconds.		
Select a frequency			The System starts searching for stations and stops when a station of sufficient signal strength is tuned in.		
			<ul><li>Press during searching to stop.</li><li>Press repeatedly to change the frequency step by step.</li></ul>		
Tune in to a preset station	_	PTY/PRESET/GROUP UP	Press to select a preset number for the station you store.		
		DOWN	<ul> <li>For presetting stations, see below.</li> </ul>		
Change the FM reception mode (When an FM stereo broadcast is hard to receive or noisy)	_	FM/PLAY MODE	Press to improve reception. The MONO indicator appears on the display Reception will improve though the stereo effect is lost.		
			To restore the stereo effect, press again.		

## Presetting Stations

_	Tune in to a	a station you want to preset.
1	<ul> <li>You can a selected.</li> </ul>	lso store the monaural reception mode for FM preset stations if
	SET	Press to activate the preset number entry mode.
2	$\bigcirc$	<ul> <li>Finish the following process while the indication on the displies flashing.</li> </ul>
3	PTY/PRESET/GROUP UP Of DOWN	Press to select a preset number for the station you store.
4	SET	Press to store the station.

will be erased in two days



## Receiving FM Stations with Radio Data System

Radio Data System allows FM stations to send an additional signal along with their regular program signals.

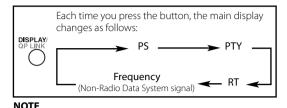
With the System, you can receive the following types of Radio Data System signals. Shows commonly known station names

PS (Program Service): PTY (Program Type): Shows types of broadcast programs. RT (Radio Text):

Shows text messages the station sends. Enhanced Other Networks: Provides the information about the types of the programs broadcast by the Radio Data System stations of the different networks

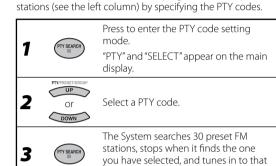
If you want to know more about Radio Data System, visit <a href="http://www.rds.org.uk">http://www.rds.org.uk</a>>.

## Changing the Radio Data System Information



## If no Radio Data System signals are sent by a station, "NO PS." "NO PTY," or "NO RT" appears on the main display.

Searching for Programs by PTY Codes (PTY Search) You can locate a particular kind of program from the preset

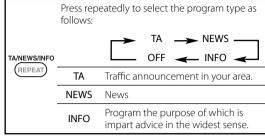


- To stop searching any time during search, press PTY SEARCH. • To continue searching after it stops on an unwanted station, press PTY SEARCH while the indications on the display are
- If no program is found, "NOTFOUND" appears on the main

# Switching Temporarily to a Program of Your Choice Automatically

The Enhanced Other Networks function allows the System o switch temporarily to a preset FM station broadcasting a program of your choice (TA, NEWS, or INFO)

This function works while listening to an FM station providing the required signals.



## ow the Enhanced Other Networks function actually

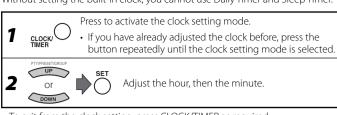
When a station starts broadcasting the program of your choice, the System automatically switches to the station. The PTY code indicator starts flashing.

After the program is over, the System goes back to the previously tuned station, but the function still remains active (the indicator stops flashing and remains lit).

## **Setting the Clock and Daily Timer**

## Setting the Clock

Without setting the built-in clock, you cannot use Daily Timer and Sleep Timer.

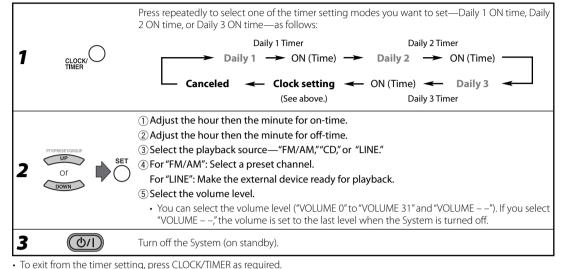


- To exit from the clock setting, press CLOCK/TIMER as required.

# DOWN JVC

## Setting the Daily Timer

Using Daily Timer, you can wake up with your favorite music. · You can store three Daily Timer settings; however, you can activate only one of Daily Timers at the same time.



- To exit from the timer setting, press CLOCK/TIMER as required.
- To correct a misentry during the process, press CANCEL. You can return to the previous step.

#### To turn off the Daily Timer



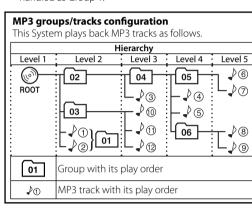
## **Learning More about This System**

## Basic and Common Operations (see page 3)

- Sound adjustments also affect the sound through the headphones.
- Sound adjustments do not affect recording to the external
- You can set the clock and daily timer while the SAVE mode is turned on. While setting the clock or daily timer, the
- display is turning on.

# Playing Back Discs (see pages 4)

- This System cannot play "packet write" discs For MP3 playback...
- MP3 discs are required a longer readout time than regular CDs. (It depends on the complexity of the group/file configuration.)
- Some MP3 files cannot be played back and will be skipped. This result from their recording processes and conditions.
- When making MP3 discs, use ISO 9660 Level 1 or Level 2 for the disc format.
- This System can play back MP3 files with the extension code <.mp3> (regardless of the letter case—upper/
- It is recommended that you make each MP3 file at a sampling rate of 44.1 kHz and at bit rate of 128 kbps. This System cannot play back files made at bit rate of less than
- Playback order of MP3 tracks may be different from the one you have intended while recording. If a folder does
- not include MP3 tracks, they are ignored This System can recognize up to 511 tracks in a disc. Also, the System can recognize up to 150 tracks per group and up to 99 groups in a disc. (for MP3)
- If there are any unplayable files in a folder, those files are also counted in the total file number.
- Playable files which do not belong to any groups are handled as Group 1.



#### • If the System takes time to show the Radio Da information—PS, PTY, RT signals, "PS," "PTY," or "RT" will

#### appear while searching Connecting a Portable Audio Device (see page 6)

Listening to FM and AM Broadcasts (see page 5)

# Playing back a portable audio device:

- If a component connected to the LINE IN jack is not loud enough, QP Link may not work properly In such cases, adjust the volume level of the component louder so that the System can detect the sound signal
- Changing from "LINE" to another source while QP Link works will deactivate QP Link temporarily.
- In this case, the following reactivates QP Link:
- Pressing QP LINK on the remote control. – When no sound signal comes from the LINE IN jack for
- about 30 seconds after the System is turned off If you press ७/1 button to turn the System off or if preset Timer turns the System off while QP Link works, the System
- deactivates QP Link temporarily. In such cases, the following reactivates QP Link:
- When no sound signal comes from the LINE IN jack for
- about 30 seconds after the System is turned off - When you turn on the power agair

#### Setting the Clock and Daily Timer (see left) "0:00" will flash on the display until you set the clock

- The clock may gain or lose 1 to 2 minutes per month. If this
- happens, readjust the clock. When you unplug the AC power cord or if a power failure
- occurs, the clock and the timer will be canceled. You need to set the clock first, then the timer again. If you do not specify the preset station correctly while
- setting a timer, the currently selected station will be played when the timer is activated.
- When the on-time of the daily timer comes, the System sets the volume level gradually to the preset level after about 5 seconds.

#### Timer Priority: • If you set the Sleep Timer after Daily Timer starts playing

the selected source, Daily Timer is canceled.

# **Connecting a Portable Audio Device**

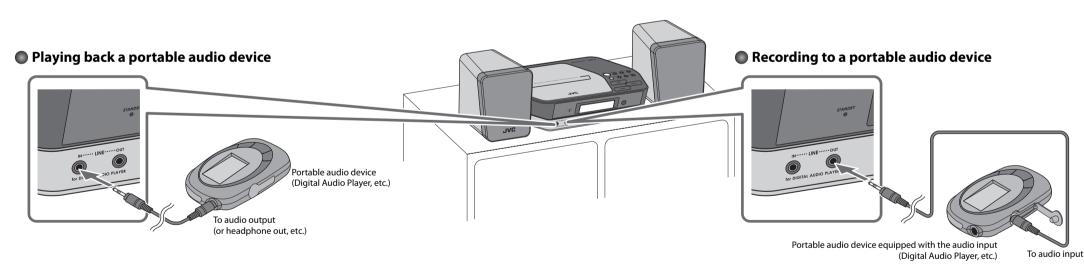
This System has LINE IN/OUT jacks to connect a portable audio device.

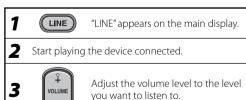
Connect between the device and the System by using the stereo mini plug cord (not supplied).

## IMPORTANT:

It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the wner of copyright in the sound or video recording, broadcast or cable programme and in any literary, dramatic, musical, o

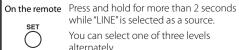
If an external device is not equipped with a stereo mini plug audio output, use a plug adaptor to convert the stereo mini plug to the corresponding plug of the audio output





# To Adjust the Audio Input Level

If the sound from the device connected to the LINE IN jack is too loud or too quiet, you can change the audio input level through the LINE IN jack (without changing the volume level).



while "LINE" is selected as a source. You can select one of three levels alternately.

## To Play Back a Portable Audio Device Easily

By using QP Link (Quick Portable Link), you can easily start playing back a portable audio device connected to the

to activate OP Link. QP Link indicator appears on the display To cancel this function, press and hold

for more than 2 seconds again. When QP Link is activated, connecting a portable device to the LINE IN jack and starting playback performs the

- following: · While listening to another source... Changes the source to "LINE" automatically. (If you
- change from "LINE" to another source, QP Link will be canceled.) While the System is on standby...
- Turns on the System and changes the source to "LINE" automatically (except when the display is turned off).
- See "Learning More about This System" on page 7.

# Start recording or standby recording on the device. Start playing the CD or tune into the station you want to (CD) recording.

changing the volume level).

On the System Press to change the audio output level. You can select one of two levels alternately as follows: OUT LVL1 ← → OUT LVL2

# **Troubleshooting**

If you are having a problem with your System, check this list for a possible solution before calling for service.

## General

## Power does not come on.

→ Power plug is not inserted securely. Plug in securely.

# Adjustments or settings are suddenly canceled before → There is a time limit. Repeat the procedure again.

**Operations are disabled** 

- → The built-in microprocessor may malfunction due to external electrical interference. Unplug the AC power cord and then plug it back in.
- Unable to operate the System from the remote control. → The path between the remote control and the remote
- sensor on the System is blocked. → The batteries are exhausted.
- No sound is heard.
- Speaker connections are incorrect or loose. → Headphones are connected.

# **Radio Operations**

- Hard to listen to broadcasts because of noise.
- → Antennas connections are incorrect or loose.
- → The AM loop antenna is too close to the System → The FM antenna is not properly extended and positioned.

#### Disc Operations The disc does not play.

label side up.

## → The disc is placed upside down. Place the disc with the

→ MP3 disc is recorded with the "packet writing (UDF file)." It cannot be played. Check the files you want to play back

## ID3 Tag on an MP3 disc cannot be shown.

- → There are two types of ID3 Tag—Version 1 and Version 2. This System can only show ID3 Tag Version 1 MP3 groups and tracks are not played back as you
- The playing order is determined when the disc was recorded. It depends on the writing application.

#### The disc sound is discontinuous. The disc is scratched or dirty

#### The disc tray does not open or close. → The AC power cord is not plugged in

→ The System has been turned on when the on-time comes. Timer starts working only when the System is turned off.

# **Specifications** Specifications and appearance are subject to change without prior notice.

*Speakers/Impedance:*  $4 \Omega - 16 \Omega$ Audio Input LINE IN: 500 mV/47 kΩ (at "LINE IN LVL1") 250 mV/47 kΩ (at "LINE IN LVL2")

125 mV/47 kΩ (at "LINE IN LVL3")

*Audio Output LINE OUT*: 1.0 Vrms (10 kΩ) (at "LINE OUT LVL1") 2.0 Vrms (10 kΩ) (at "LINE OUT LVL2")

CD player section Signal-to-noise ratio: 93 dB Wow and flutter: Immeasurable

Tuner section

Speaker units: 8 cm cone x 1

## General

*Mass:* 1.8 kg

To get the best performance of the System, keep your discs

- Remove the disc from its case by holding it at the edge
- Do not touch the shiny surface of the disc, or bend the
- Put the disc back in its case after use
- Be careful not to scratch the surface of the disc when placing it back in its case.

# To clean the disc:

# Wipe the disc with a soft cloth in a straight line from center

#### • Since the System may deteriorate in quality, become damaged or get its paint peeled off, be careful about the

Cleaning the System

- DO NOT wipe it with a hard cloth.
- DO NOT wipe it strong. – DO NOT wipe it with thinner or benzine.

• Stains should be wiped off with a soft cloth. If the System is

heavily stained, wipe it with a cloth soaked in water-diluted

neutral detergent and wrung well, then wipe clean with a

– DO NOT allow any rubber or plastic to remain in contact

This equipment has been designed and manufactured to meet international safety standards but, like any electrical

Do read the operating instructions before you attempt to use the equipment.

Oo ensure that all electrical connections (including the mains plug, extension leads and interconnections between

Do consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way—switch off, withdraw the mains plug and consult your dealer. DON'T remove any fixed cover as this may expose dangerous voltages.

unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family know how to do this

Special arrangements may need to be made for infirm or handicapped people

safety. It is illegal to watch television whilst driving.

Overheating will cause damage and shorten the life of the equipment. DON'T use makeshift stands and NEVER fix legs with wood screws—to ensure complete safety always fit the

## DON'T allow electrical equipment to be exposed to rain or moisture.

- NEVER let anyone, especially children, push anything into holes, slots or any other opening in the case

NEVER guess or take chances with electrical equipment of any kind—it is better to be safe than sorry!

#### To Select the Audio Output Level **Amplifier section** Speakers On the remote Press and hold for more than 2 seconds **OUTPUT POWER:** If the recorded sound on the device connected to the LINE OUT jack is too loud or 10 W (5 W + 5 W) at 4 $\Omega$ (10% THD) too quiet, you can change the audio output level through the LINE OUT jack (without

**FM Tuning range:** 87.50 MHz - 108.00 MHz **AM (MW) Tuning range:** 522 kHz - 1 629 kHz

*Dimensions (approx.):* 130 mm x 171 mm x 136 mm (W/H/D) Mass (approx.): 0.75 kg each

Power consumption

*Dimensions (W x H x D):* 270 mm x 68.5 mm x 203 mm

# **Handling discs**

to edge.

# **Timer Operations**

# Daily Timer does not work.

Impedance:  $4 \Omega$ 

# **Supplied Accessories**

**Power requirements:** AC 230 V ~ , 50 Hz 20.0 W (POWER ON), 3.6 W (STANDBY mode) 3.0 W or less (SAVE mode)

# Maintenance

and mechanism clean.

# while pressing the center hole lightly

- and moisture

#### · Avoid exposure to direct sunlight, temperature extremes, – DO NOT apply any volatile substance such as insecticides

**SAFETY INSTRUCTIONS** "SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT"

for a long time

equipment, care must be taken if you are to obtain the best results and safety is to be assured.

pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and vithdraw the mains plug when making or changing connections.

# Do be careful with glass panels or doors on equipmen

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic

DON'T listen to headphones at high volume as such use can permanently damage your hearing. DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings.

manufacturer's approved stand or legs with the fixings provided according to the instructions.

—this could result in a fatal electrical shock.: